



Substitute for form 1449A/PTO (Modified)		Complete if Known			
		Application Number	10/600,997		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Filing Date	June 20, 2003		
		First Named Inventor	ALLISON, James P.		
		Art Unit	4653-1644		
		Examiner Name	To Be Assigned J. OUSPENSKI		
Sheet	1	of	3	Attorney Docket Number	A-71608/TAL/DHR (465174-00460)

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	A1	2002/0071839 A1	06-13-2002	Collins et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
EO	B1 *	WO 99/40100 A1	08-12-1999	Human Genome Sciences, Inc.		
	B2 *	WO 02/072794 A2	09-19-2002	Incyte Genomics, Inc.		
	B3	WO 04/000221 A2	12-31-2003	The Regents of the University of California		
	B4	WO 02/06317 A2	01-24-2002	Corixa Corp.		
	B5	WO 02/10187 A1	02-07-2002	Mayo Foundation for Medical Education and Research		
	B6	WO 02/02624 A2	01-10-2002	Amgen, Inc.		
	B7	WO 02/16581 A2	02-28-2002	Genentech, Inc.		
	B8	WO 02/16429 A2	02-28-2002	Genentech, Inc.		

NON PATENT LITERATURE DOCUMENTS					
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	C1	ABBAS, A.K., et al., "T-cell stimulation: an abundance of B7s," <i>Nat. Med.</i> 5(12):1345-1346 (Dec. 1999).			
	C2	ANDERSON, D., et al., "Paradoxical inhibition of T-cell function in response to CTLA-4 blockade; heterogeneity within the human T-cell population," <i>Nat. Med.</i> 6(2):211-214 (Feb. 2000).			
	C3	ARCECI, R., "The potential for antitumor vaccination in acute myelogenous leukemia," <i>J. Mol. Med.</i> 76:80-93 (1998).			
	C4	BODEY, B., et al., "Failure of cancer vaccines: the significant limitations of this approach to immunotherapy," <i>Anticancer Res.</i> 20(4):2665-2676 (Jul. – Aug. 2000).			
	C5	BRODIE, D., et al., "LICOS, a primordial costimulatory ligand," <i>Curr. Biol.</i> 10(6):333-336 (Mar. 2000).			
	C6	CARRENO, B.M., et al., "The B7 family of ligands and its receptors: new pathways for costimulation and inhibition of immune response," <i>Annu. Rev. Immunol.</i> 20:29-53 (2002).			
	C7	CHAMBERS, C., et al., "CTLA-4-mediated inhibition in regulation of T cell responses: mechanisms and manipulation in tumor immunotherapy," <i>Annu. Rev. Immunol.</i> 19:565-594 (2001).			
	C8	CHAMBERS, C., et al., "Thymocyte development is normal in CTLA-4-deficient mice," <i>Proc. Natl. Acad. Sci. USA</i> 94(17):9296-9301 (Aug. 1997).			
JO	C9	CHAPOVAL, A.I., et al., "B7-H3: a costimulatory molecule for T cell activation and IFN-γ production," <i>Nat. Immunol.</i> 2(3):269-274 (Mar. 2001).			

Examiner Signature	<i>Ilia Ouspenski</i>	Date Considered	3/13/2006
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			Art Unit	4653 1644	
			Examiner Name	To Be Assigned	
Sheet	2	of	3	Attorney Docket Number	A-71608/TAL/DHR (465174-00460)

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IO	C10	CHRISTADOSS, P., et al., "Animal models of Myasthenia gravis," <i>Clin. Immunol.</i> 94(2):75-87 (Feb. 2000).		
	C11	COYLE, A.J., et al., "The expanding B7 superfamily: increasing complexity in costimulatory signals regulating T-cell function," <i>Nat. Immunol.</i> 2(3):203-209 (Mar. 2001).		
	C12	DAMLE, N., et al., "Costimulation of T lymphocytes with integrin ligands intercellular adhesion molecule-1 or vascular cell adhesion molecule-1 induces functional expression of CTLA-4, a second receptor for B7," <i>J. Immunol.</i> 152:2686-2697 (1994).		
	C13	DONG, H., et al., "B7-H1, a third member of the B7 family, co-stimulates T-cell proliferation and interleukin-10 secretion," <i>Nat. Med.</i> 5(12):1365-1369 (Dec. 1999).		
	C14	DUDLEY, M.E., et al., "Cancer regression and autoimmunity in patients after clonal repopulation with anti-tumor lymphocytes," <i>Science</i> 268(5594):850-854 (Oct. 2002).		
	C15	EGEN, J.G., et al., "CTLA-4: new insights into its biological function and use in tumor," <i>Nat. Immunol.</i> 3(7):611-618 (Jul. 2002).		
	C16	FREEMAN, G.J., et al., "Engagement of the PD-1 immunoinhibitory receptor by a novel B7 family member leads to negative regulation of lymphocyte activity," <i>J. Exp. Med.</i> 192(7):1027-1034 (Oct. 2000).		
	C17	GAO, P., et al., "Tumor vaccination that enhances antitumor T-cell responses does not inhibit the growth of established tumors even in combination with interleukin-12 treatment: the importance of inducing intratumoral T-cell migration," <i>J. Immunother.</i> 23(6):643-653 (2000).		
	C18	GRIBBEN, G., et al., "Alloantigen and concomitant CTLA4 signaling induces clonal deletion of alloreactive T cells: a novel method to prevent GVHD," <i>Blood</i> 84(10):397a (1994).		
	C19	HESLOP, H., "Cytokine gene transfer in the therapy of malignancy," <i>Baillière Clin. Haematol.</i> 7(1):135-151 (Mar. 1994).		
	C20	KEARNEY, E., et al., "Antigen-dependent clonal expansion of a trace population of antigen-specific CD4+ T cells in vivo is dependent on CD28 costimulation and inhibited by CTLA-4," <i>J. Immunol.</i> 155(3):1032-1036 (Aug. 1995).		
	C21	KRUMMEL, M., et al., "Superantigen responses and co-stimulation: CD28 and CTLA-4 have opposing effects on T cell expansion <i>in vitro</i> and <i>in vivo</i> ," <i>J. Exp. Med.</i> 182(2):459-465 (Aug. 1996).		
	C22	LATCHMAN, Y., et al., "PD-L2 is a second ligand for PD-1 and inhibits T cell activation," <i>Nat. Immunol.</i> 2(3):261-268 (Mar. 2001).		
	C23	LEACH, D., et al., "Enhancement of antitumor immunity by CTLA-4 blockade," <i>Science</i> 271(5256):1734-1739 (Mar. 1996).		
	C24	LEE, K.-H., et al., "Increased vaccine-specific T cell frequency after peptide-based vaccination correlates with increased susceptibility to <i>in vitro</i> stimulation but does not lead to tumor regression," <i>J. Immunol.</i> 163(11):6292-6300 (Dec. 1999).		
	C25	LEWIS, G., et al., "Growth regulation of human breast and ovarian tumor cells by heregulin: evidence of the requirement of ErbB2 as a critical component in mediating heregulin responsiveness," <i>Cancer Res.</i> 56:1457-1465 (Mar. 1996).		
	C26	LIANG, P., et al., "The right place at the right time: novel B7 family members regulate effector T-cell responses," <i>Curr. Opin. Immunol.</i> 14(3):384-390 (Jun. 2002).		
	C27	LING, V., et al., "Cutting Edge: Identification of GL50, a novel B7-like protein that functionally binds to ICOS receptor," <i>J. Immunol.</i> 164(4):1653-1657 (Feb. 2000).		
IO	C28	NISHIMURA, H., et al., "PD-1: an inhibitory immunoreceptor involved in peripheral tolerance," <i>Trends Biotechnol.</i> 22(5):265-268 (May 2001).		

Examiner Signature	<i>Ilia Ousepewski</i>	Date Considered	3/13/2006
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IO	C29	PARDOLL, D.M., et al., "Tumor reactive T cells get a boost," <i>Nat. Biotechnol.</i> 20(12):1207-1208 (Dec. 2002).		
	C30	SOTOMAYOR, E., et al., "In vivo blockade of CTLA-4 enhances the priming of responsive T cells but fails to prevent to induction of tumor antigen-specific tolerance," <i>Proc. Natl. Acad. Sci. USA</i> 96(20):11476-11481 (Sep. 1999).		
	C31	SUN, M., et al., "Characterization of mouse and human B7-H3 genes," <i>J. Immunol.</i> 168(12):6294-6297 (Jun. 2002).		
	C32	SUSSMAN, J., et al., "Activation of T lymphocytes for the adoptive immunotherapy of cancer," <i>Ann. Surg. Oncol.</i> 1(4):296-306 (Jul. 1994).		
	C33	SWALLOW, M.M., et al., "B7h, a novel costimulatory homolog of B7.1 and B7.2, is induced by TNF α ," <i>Immunity</i> 11(4):423-432 (Oct. 1999).		
	C34	TIMMERMAN, J., et al., "Dendritic cell vaccines for cancer immunotherapy," <i>Annu. Rev. Med.</i> 50:507-529 (1999).		
	C35	TRIOZZI, P., et al., "Clinical and immunologic effects of a synthetic β -human chorionic gonadotropin vaccine," <i>Int. J. Oncol.</i> 5:1447-1453 (1994).		
	C36	TSENG, S.Y., et al., "B7-DC, a new dendritic cell molecule with potent costimulatory properties for T cells," <i>J. Exp. Med.</i> 193(7):839-846 (Apr. 2001).		
	C37	WALLACK, M., et al., "Active specific immunotherapy with vaccinia melanoma oncolysate," <i>Immunity</i> 1(5):405-413 (Aug. 1994).		
	C38	WANG, S., et al., "Costimulation of T cells by B7-H2, a B7-like molecule that binds ICOS," <i>Blood</i> 96(8):2808-2813 (Oct. 2000).		
	C39	YANG, Y., et al., "Enhanced induction of antitumor T-cell by cytotoxic T lymphocyte-associated molecule-4 blockade: The effect is manifested only at the restricted tumor-bearing stages," <i>Cancer Res.</i> 57:4036-4041 (Sep. 1997).		
	C40	YOSHINAGA, S.K., et al., "T-cell co-stimulation through B7RP-1 and ICOS," <i>Nature</i> 402(6763):827-832 (Dec. 1999).		
	C41	ZAKS, T., et al., "Immunization with a peptide epitope (p369-377) from HER-2/neu leads to peptide-specific cytotoxic T lymphocytes that fail to recognize HER-2/neu+ tumors," <i>Cancer Res.</i> 58:4902-4908 (Nov. 1998).		
IO	C42	ZHU, J., et al., "Cytotoxic T lymphocyte-associated antigen 4 (CTLA-4) blockade enhances incidence and severity of experimental autoimmune neuritis in resistant mice," <i>J. Neuroimmunol.</i> 115(1-2):111-117 (Apr. 1999).		

Examiner Signature	<i>Dina Onopeltchik</i>	Date Considered	<i>3/13/2006</i>
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